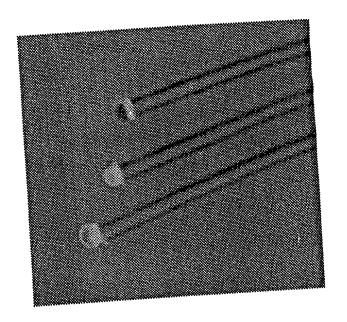
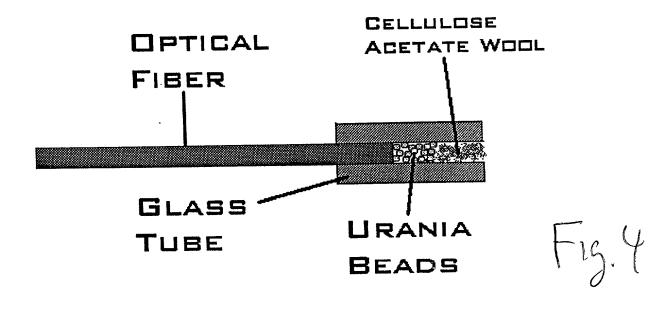
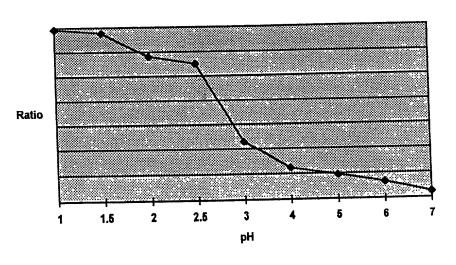


F18 2



Fg.3





FIG,S

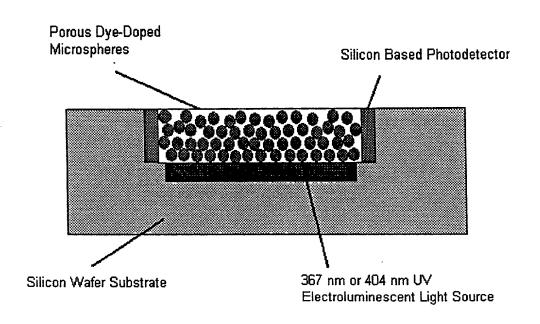
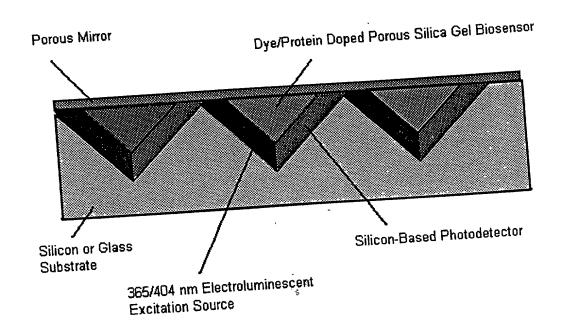


Fig. 6



F137

Porous doped material Silicon Lightsource UV/blue LED F18.9 Porous Flourescent Sensor material 1. l. Fluorescein depel silica gel

Microbead -letector Silicon Substial Source "glue" detector forosbeads porosbelleto Fig11

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Fg 12

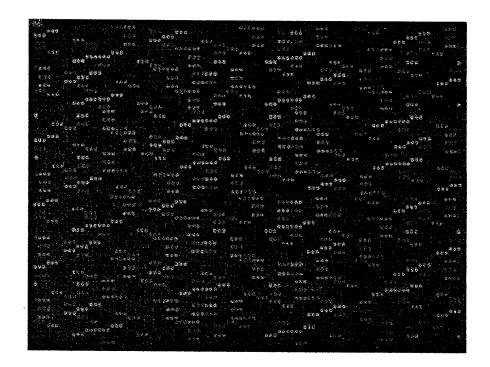


Fig. 13.

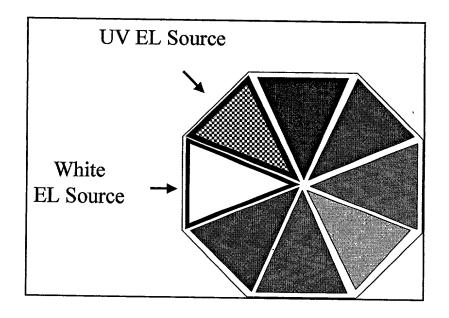
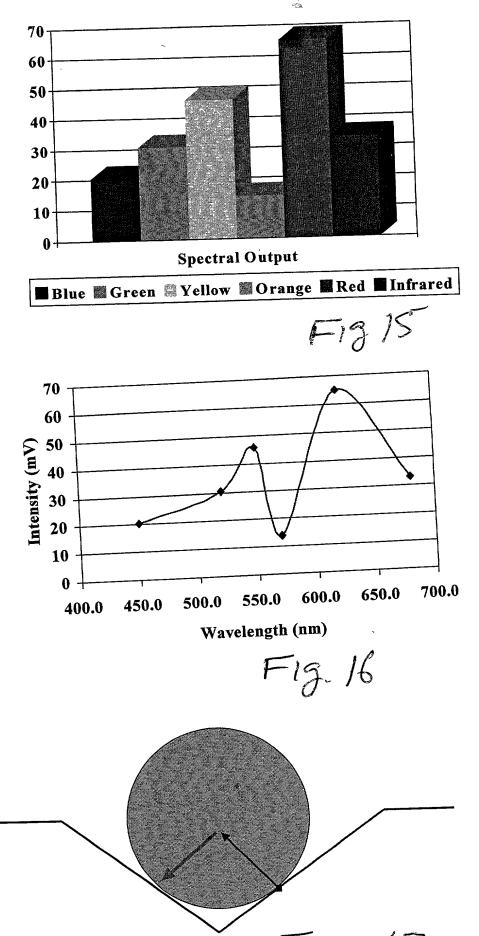


Fig. 14.



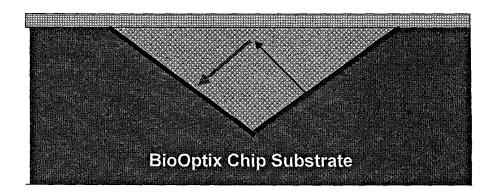
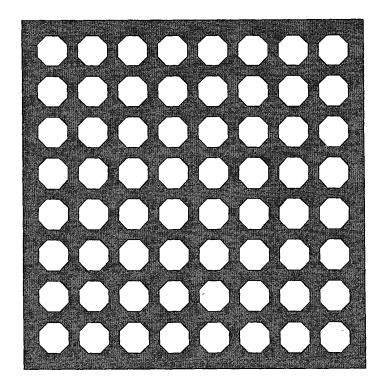


Fig. 18



F1g. 19

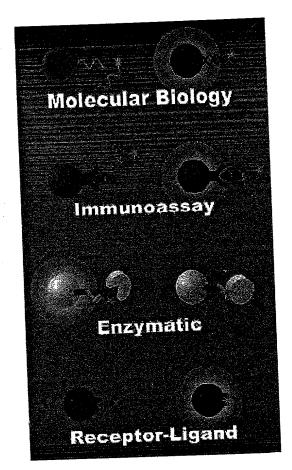


Fig. 20

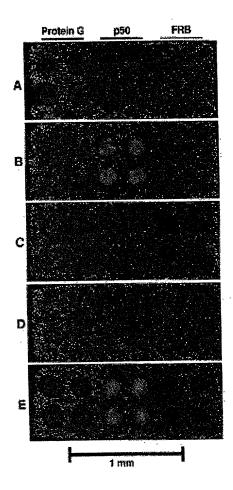
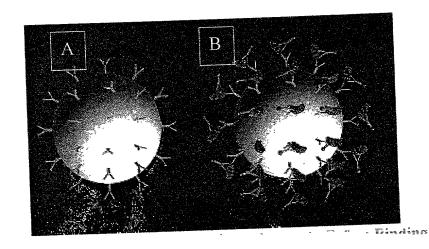


Fig. 21



F19. 22